

BRAZIL

1978 -

1979

- 14 Feb Begin PB study Eigue/Zana
15 Feb Poco Pequeno/ 29 Agua + group
fission - takeover
16 Feb The forest, Dietz Hall
18 Feb Old falling all over in forest
19 Feb Tres Machos Case Guida
Encounter
1 Mar Chasing Riverbanks/Pensynor
3 Mar New group fugitive - in mud
to knees.
4 Mar Catching up with "Z"
5 March - Cacador + hunter problems.
Use PB study to talk @
boundary encounters
(Make love not war)
- and or high school prom

FEDERAL SUPPLY SERVICE

(GPO)

13
Feb

Fernando Fernandes begins
Cecilia beginning to trap Kannab.

Mr Magoo - Luis Pereira

Zigue training Andreia + Otavio in
processing.

14 Feb - Begin PB study with Zigue/Zama
B'day party Cecilia / Boi Branco
Cecilia + Jody work on Pb hats.
just opened

20 II - My back goes out
→ BH for 1st Biodivers.
Congr. with Jody

21 II - GHLT meeting at Congr.

22 II - Return to Rio → PdA.

23 II - 4 March: PB studies w/
Zigue + Zama.

Errant - Thoughts ^{Andy to} write encounter
paper GLT Boundary
Encounters:

a Junior High School Prom?

Andy's father dies; brother sick
Beth declares she loves him.

Pol*

Pol*

Brazil

Reintr*

13 Feb - 5 March 89

*Cons

Beth still around and
angry: mainly attacking
Fernando. Declares love
for Andy. US boyfriend
breaks off relationship.

*Edu

*People

Boquirão

Boi Branco

12 Feb
Lund.

12 Feb 89 -

Leave DC @ 1900 hrs -
arr. NYC 2015. No where to
sit since they don't open gate.
I have 4 bags; 2 to check.
Am carrying speaker, 2 tape
recorders, reserve, chocolates,
pens, ketamine. All of
which I potentially can lose
at Customs.

Flight to Rio absolutely full -
not an empty seat.
Arr. @ 0930 hrs.

13 Feb 89 - I walk thru Customs
loaded with luggage as tho
I've never been to Rio before.
I don't even press the button,
but look ignorant. They
wave me right thru.

Beth meets me, in red tomato
fusca. We drive straight
to Reserva, arrive near

13 Feb

mond

lunchtime. I talk with Beth + slowly unpack. Fernando the new administrator is not there. Zik + Elizama arrive. They have 3 animals to process later in P.M.

I give them the protocols + set up a time to discuss the protocols.

Cecilia Kerruly is here trying to trap *Kannabateomys* with Eduardo? No success yet.

As the 1st few days pass, Cecilia seems to get more depressed

about the lack of success. But she's a super person — enthusiastic, cheerful, a real addition to the crew + everyone seems to really enjoy her.

We process the 3 monkeys in the evening. Zik is in charge with Andreia helping.

Andreia doesn't yet know the ropes + Zik is slowly teaching her (eg she does the infectious + paperwork). Two days later Zik starts teaching

mond
13th

Otávio who clearly needs to learn.

Diomício is around in the afternoon
briefly with Luis Pereira
(that everyone calls Mr. Magee)

Pereira needs to have deep discussion
with me — about reeding traps
& money & thanking us for all
of our help. He must have
thanked me 15 times & bowed
& scraped. Pereira is clearly
a loser. Can't find a study
site. Hard time getting support.
Supervised by Kleber Alho who
he never sees. And is slightly
cross-eyed to boot!

Finally met Fernando Fernandes
during processing. I later
go over with him several issues

At dinner are Cecilia Eduardo Fernando
Zuk Zuma, Rossano (an
intern) & Poncia (an intern)
me & Andreia.

14 Feb
Tues

14 Feb 89 -

Zik + Zamar + I sit down + discuss the protocols at length + then to a test playback with Niko's group, a pair of reintroduced monkeys that have lost their release site + are waiting to be re-released.

We work out a protocol + methodology. Special problems arise because I couldn't re-record the originals on a single new tape after deciding that the tape made by Javier Alvarez wasn't good enough.

I tried to find some better examples while on the plane, but realized that they wouldn't copy well from one Walkman to the other.

Another problem was the connection between the Sennheiser mike + the Walkman. A very poor connection. There was

14 Feb

Tues

an old senhesei mild at
Headquarters but its connection
was worse.

Couldnt remember whether I
had mono or stereo before,
with the machinery I sent to China.

Everyone is back + cleans up
early for a Valentine's day
party at the new Educ. Ctr
in Bui Branco. It's Cecilia's
Birthday + was also Tabes.

The event is really cheerful.
Churrasco; beer; + lots of dancing.

I get to meet practically
everyone in the project, + interact
with a few exceptions.

Fernando - is very serious
rarely relaxes; reminds Beth (+ me)
of Laurenz.

Andria - as usual dancing +
singing but not interacting closely
with anyone.

The young ^{men} ~~men~~: Luis,
Nelson, Paulo Cesar, Marcelo,
Eduardo, Zama + rarely
Zik. They dance alone,

14 Feb
Tues

with each other; with women;
without women. They do line
dances.

The girls were all excited @
a new dance lumbada which
only a black Edue. woman, Rita
could do. She was overweight,
was little & could really
move. I danced with several
of the young men. But could
hardly get the beats.

These men were great because
they displayed so much, but also
enjoyed using their bodies &
the rhythm.

Synval w/ reintrod. — very
serious; just turned 40
has 2 children.

Otávio now married to 16 yr old Tania
Both very religious; like Jares &
Admar — No dancing.

Reintrod. Luis — still displaying
Marcelo; Paulo Cesar; Jares; Nelson.
Young & energetic.
Jares is broth. to Zik & Zama.

14 Feb
Tues

Their mother (parents) had 10-12 kids.
Their father is 71; mother 57.

Two of Jones bros. work with
Ecology (Jadiri & Jamilson —
neither are present).

The Educ. crew includes Rita —
large black + with lots of rhythm.
Percilia — also large + black
Lonia — black + thinner (later
serving cachaca).

Andrera had made another of
her famous sheet cakes +
Jones did the churrasco.

I went back at 10⁰⁰.

15 Feb
Wed

15 Feb 89

Up at and in the forest @
0830 hours after slow
organization. We find Poco
Reguero group ("small lake") but
they're in the middle of an
encounter with 2° Agua. It
turns out that the 2 males of
2° Agua kicked the adult ♂
of Poco Reguero out of his group
shortly after 2 of his SA
sons (?) (or at least 2 ♂♂)
left the group.

This Poco Reguero is still
unstable and its males are
from ~~Poco Reguero~~ 2° Agua.

(The 2 males that left
Poco Reguero are found at
the house the next day
fighting with ♂ Niko who
is with ♀ + had to ^{be} pulled
from his reintrod. site). The
2 males had been missing for
a few weeks). We stay with
the encounter + I record
some vocs. But leave finally
@ ~~1030~~ 1030 + find

15 Feb

Wed

Group Cacador, about a 20' walk.

The weather is clear + sunny + warm but not miserable.

We start our first Playback @ 1130 hrs. The group responds

v. well to the playbacks.

They LC + approach the speaker for LLC. But are quiet +

approach for LC. Zama thinks they don't vocalize for LC because they don't know if it's inter- or intra-group.

They don't respond to the control but there are a few SCs after the SC.

We try a separate playback of LC after the full experiment.

The animals respond the same way.

They are quiet + approach the speaker.

We finish + get back to casa @ 1530 hours.

Before dinner I go thru the data with Zigue + Zama. I later speak w/ Otávio +

15 Feb.
Wed

the others about a possible schedule for us.
I keep being astounded by how
reasonably I do in Portuguese.

Zigue & Zama + I sit down
late to make a copy of
the Play back tapes.

Were all v. tired when we
finish.

16 Feb
Thurs

16 Feb 89 -

Awake @ 0530 hrs. Take a long time getting organized, especially since I try to PB the new composite tape to NICO's group to ensure that it works with the speaker.

It is surprisingly weak but we decide to use it anyway. (Turns out that the house is much noisier than the forest because of running H2O, chickens, people etc.)

Then we start down the road w/ the Tomate fusca. It has no alcohol. Zik + Zama organize to fill it with much disgust + problems.

We finally get into the forest by 0830.

And it takes us 30' to find 2^o agua.

16 Feb
Thurs

Things are pretty wet on + off
the trails. We sink into
mud periodically, but it's
nowhere near as bad (so far)
as it could be.

I'm already feeling more
comfortable in the forest. My
footing is surer. I keep thinking
about Jim Dietz' troll whose
role it is to bugger things up +
especially to trip me. I'm doing
well keeping up with Jama + Zik.

Another sunny clear day. No
rain since the 1st day here.

20 Aqua is one of the groups with
2 actively reproducing ♀♀. One
female "To" has 2 week old young
on her back. We are periodically
able to see her nursing. It's
lovely! She's moving more slowly
than the others, for obvious reasons.

The other breeding female T_{1,4}
is often invisible during scans,
far in front of group.

16 Feb.
Thurs

The group is really large with 5 juvs and a subadult + the adults.

We begin experimental PB @ 0930 hrs. The 1st PB of the short call twice was much too weak at the distance of 20 meters. We weren't sure the animals heard it, so I decided to play it again after 30' and used the 3rd scan after as the 1st scan before the playback.

The Playback is at a shorter distance where we're sure that the animals heard it. Altho the sound is clearly inferior, I decide to finish ~~with~~ using the same tape for consistency.

We finish @ 1400 hrs + by the time we get to where we might move in on another group, I decide that it's too late to bother.

We return home by @ 1500 hrs.

Meet Beth on road before house + hear story of the 2 Poco Pequeros

16 Feb Thurs

males that came to the house
+ fought with ♂ Niko.

The ♂ has a seriously
cut leg + a cut on the
hand.

I chat with Beth + with
the other people singly + together.
Fernando is in Rio getting
the new Kombi + thus Beth is
formally in charge, but
I decide to take the town
meeting approach + get
every one to agree to the best move.

We agree before dinner to
release the 2 males + move
Niko's group. But I insist
that everyone think of any +
all ideas.

Zik, Andrea, Otavio, Zama,
process the animals — They
have no wounds + are in
good shape. 2 ♂ w/o a
territory!

Dinner is late + we
continue the discussion +
decide to build a viveiro at the
new educ. center for Niko's group.

16 Feb Thurs

I took responsibility for it
since according to Beltr, Drouais
said we needed permission from
Re DN in Brasilia to move
XuKa, Re 9 who has been at
The house 2 years now.

Fernando arrives late at
night with the new
Kombi.

17 Feb Fri

17 Feb 89:

Up @ 0530 + we leave the house @ 0700. Our 1st group is ~~the 1st group~~ ^{Poco Papano} + Zigue switch roles. Zigue is to do the ~~playbacks~~ scans + Zuma the playbacks.

The weather is beautiful, sunny + clear + the forest feels super. We make contact with the animals @ 0745. I hear them 1st!

The Playbacks go very smoothly. A few spines, some mud, but no hills.

We exit the reserve during the observations since the animals move to a neighboring fazenda.

Finish observ. @ 1140 + head back to the road.

Fernando was supposed to leave a car for us to get to our next destination.

17 Feb

Fri

No car. So we walk down road to entrance to the trail after having a bit of lunch.

We're looking for The Grupo do Carlos. Zama tries to pick up their signal several times without success. We cannot figure out where the car was supposed to be.

Zama finally gets a signal & we find the group reasonably quickly. Neither of them had wanted to pursue the 2nd group but I thought that we ought to try.

Rain breaks. We manage one PB before it starts to pour during the second set of intervals. The rain actually feels wonderful since it cuts the heat. We quit & return to the ~~area~~ road. Still no car!

17 Feb.

Frid

We walk to the gate looking but no car at the gate house either. Zigue had left a note at the head of one trail. Hadn't helped. He keeps saying that it's a 3 hr. walk to the hdquarters.

We wait at the gate house for a while + then decide to start walking. It's getting hotter again. Janilson shows up within @ 15 minutes with some story about how Fernando was at the Educ. Ctr.

So we're back by @ 15³⁰ hrs, a little too early for my taste. The house is quiet.

Jair's arrives looking exhausted. He + Synval spent the entire day building the viveiro at Boi Branco for Niko's grp.

He'd been waiting for Andreia to show up with the animals, but she hadn't so he returned home.

17 Feb

Fri

Cecilia + Eduardo arrive somewhat depressed. They still haven't managed to catch a *Thomomys*.

They also look totally wiped out. They've tried just about everything including mist nets, but the animals move high into the bamboo thickets.

The ecology crew then arrives — Otavio, Jodir + Jamilson (latter 2 are Jares bros). Then Andreia arrives with whole Perntro. crew + 4 animals.

The Pansy group's radio had gone out + they spent the whole day trying to find + then trap the animals to get the radio changed.

Andreia's team (Chuis; Marcelo; Paulo Cesar; Jabeo [Zigue's bro]; Nelson + the intern Rosanna) are totally wiped. They tell tales of eating lunch + then climbing the hills in the mid-day heat with $\frac{1}{2}$ the

17 Feb

Fri

crew vomiting their lunch due to the strain.

But they found + returned with the group.

They had started looking @ 10³⁰ hrs and finally found them 2-3 km from the box @ 17³⁰ hrs.

The Riverbank group had been producing LCC about 2 hrs before they found the group.

The ^P transmitter was only ~~the~~ audible from about 20 m.

I am very impressed with the energy of the Reintrod. team. You've got 5 men in their late teens, early 20's, who even after the most exhausting day are full of energy; playing with each other, dancing around.

They are also started as is Cecilia + Eduardo + the butcher looks as tho it

13 Feb,

Fri

had gone thru the wars after they all had something to eat. Watching 5-6 people stuffing themselves over the kitchen table with ~~food~~ ~~crumbs~~ flying everywhere was amazing.

The energy was electrifying.

Before dinner Zigue makes some caipirinhas + we finish what little is left in a bottle of cachaca. Zigue + Cecilia both like their drink!

Dinner is very late + with The Ecology crew staying over to do early morning observ. at nest boxes.

Fernando shows up @ 10 with the new Kombi + some beer. We all Cecilia, Zigue, Fernando + I have a beer together.

18 Feb
Sat

18 Feb.

Up and out to do Grupo do
Carlos ~~at 10~~

We find them @ 0745
in the middle of an
encounter with a not very
habituated group Grupo
do Reunião. We hear
the encounter long before
we see them.

According to Zama, both
groups are outside their normal
range & are within the Calcario
group range.

The Encounter continues for
@ an hour & we suddenly lose
the group. But Zama had
predicted that they would
get back to their normal
range by climbing the hill
& going over it and around.

We locate the group again
after @ 20' — at the very
top of a hill. My 1st
bad climb.

18 Feb

Lat

The hillside was swarming with
spiny palms, roots, vines
was very steep.

The group eventually end up in
a tree near a main trail which
made it a little easier to work
with them.

Started our scans for playbacks

@ 0930 + finished with group

@ 12²⁰

I manage to fall upside
totally at one point + later
sink up to my knees in mud!

I keep thinking of Dietz's
lecture to me about the little
man* who tries to trip you up
+ kick you and generally makes your
life miserable in the forest
to prevent your feeling at ~~the~~
home there.

So I keep smiling as yet
another spine lodges itself somewhere
in my body + I feel as tho I'm
bound to sink into the mud.

I have told Zama + Zigue
about the "o homen da mata"

18 Feb.

Sat

Two

~~the~~ interesting points about the playbacks w/ GC. The last 2 calls were SC + LC. I thought with SC first, but it was the reverse & I couldn't understand why the ♀ responded so strongly to the SC & hardly at all the LC. As it turns out she knew what she was responding to.

Also after the LC PB, she & the group moved from a tree in which they were resting & the juvs. playing @ 100 m beyond the speaker & I thought they were about to get involved with another encounter.

But after not finding anything they returned to the exact same tree; about 100 m. away.

Also, the ♀ was very nervous. She had just (within a few days) lost her mate, the breeding ♂, who had something wrong with his forefoot. And she was clearly leading the

18 Feb Sat

group during the encounter.

We return to car & drive to another trail - head to meet Jadin. He shows up immediately & says that Tres Machos, our next group, may have been fairly close to where we were with Grupo de Carlos, but on the other side of the hillside.

Jadin thinks that Tres Machos could be heading for an encounter.

We have some lunch & start heading out to find ~~5th~~ Tres Machos (3M). It takes about an hour of long but mainly flat walking on the trails (2 hills).

We manage to get 2 PB done with them in some flat swampy & very closed habitat. Takes us another 40 minutes (including $\uparrow\downarrow$ hillside on trail) to

18 Feb
Sat

return to car. We are totally exhausted + Zigue has some bad blisters from his new boots.

It's been fun however watching the 2 bros work together.

They rib each other @ being lazy; not working; being weak.

Jama — I'm much more impressed with him. He works hard + knows the forest + groups. Turns out that he is fairly religious (Their father is important in church matters — almost a pastor); doesn't drink; has one girlfriend between SJ + Rio Bonito + is fairly serious. However, he comes to conclusions too quickly about everything — Quite different. Incredibly attractive to women. Not religious. Likes booze + possibly in conflict with his father whom he rarely sees.

Zigue's not, however, doing fantastically well

18 Feb Sat

at university. Says that he failed calculus + chemistry.

We returned to the house by @ 1700 hrs. There are 4 animals from Ponsaynor to be processed. The adult ♀ has aborted in the cage + the ~~aborted~~ 2 who are immobilized look thin, dehydrated + are covered in ticks, probably because they are running on the ground a lot. Everyone is feeling good, but the abortion really puts a damper on the atmosphere. We change the radio on the adult ♂ ~~which~~ (which apparently had gone out almost immediately after the release), + leave the group.

Before the processing Zama starts cooking, another example of that boundless energy. Idmar + Jares have gone for the weekend + Daniel is our responsibility. Zama simply

goes ahead + starts cooking
before anything else. He
says that he's starving, but
as it turns out, we don't get
to eat until after the
processing of the 4 Penscynor
animals, @ 800 PM.

But he certainly knew what
he was doing in the kitchen.

Andrea, by the way, had used
the Walkman + speaker to
bring the animals in more
closely. It helped some
in trapping the
animals.

19 Feb Sun

19 Feb Sunday

We can only work $\frac{1}{2}$ day
because Zigue needs to get
to S.J. to get clothes + see
his family before catching bus
to Belo Horizonte to attend
Biodiversity Conf.

We go out to finish the Tres Muchos
group. Make contact @ 0749.

There is lots of song calling going on.

Zama first thinks that there
had been an encounter, we
then realize that it is still
ongoing. With a group Casa

Caida which is not very
habituated. We hang
around and hang around. I
start recording VOCs. while
Zigue + Zama stay pretty bored.

Zama also had picked up the
signal of a male who had
been from the Casa Caida group
but had left — but
we never see him.

Sund. 19 Feb

The encounter continues with not only the juvs playing, but with the adult ♂ of Casa Caida coming in very close — chasing a juv/SA from 3M.

3M has new young about a week old & the ♀ has been transferring them to the 2 adult ~~adult~~ males.

The adult male of Casa Caida, T34, also come within 3 m of the 3M adults & infants who were clumped in a group.

Two SA ♂♂ (T34, T34) from each group started playing — again very close to the adults & new infants.

I continue to be impressed with display quality of encounters & their functions. The durations of encounters point to their having a positive social function, permitting meeting among families, and opportunity to learn neighbors & potential mates in future.

Encounters continue for too long to be solely a method of determining dominance or assuring locations of groups.

The adult male of Casa Caida & a SA from 3M (T24) end up within arm's reach of each other. T24 is chased briefly.

We do 3 scans between 09¹⁰ — 09²⁵ but quit because the encounter continues & we have too many ongoing LCs & LCCs.

I spend most of the morning recording VOCs. We leave about 11¹⁵ to return to house. The encounter was a minimum of 3½ hrs long.

Andieci arrives at house w/ 2 monkeys. The two were in the Pencynor box when she arrived to release the P. group.

It is clear that one animal is P4, a SA ♂ from Pencynor; but

The second has a tattoo & no one can remember or has a record of what we think the tattoo is.

We go thru list of all wild animals & come up with only 2 possibilities of who she could be. But it isn't clear if she's a WB or CB animal. All v. mysterious.

It's decided that Andreia has done enough immobilizations to have a very few of us process the animals.

Zigue Zoma & Andreia all go into Silva Jardim & I am left alone at the house — a first ever event. It's very peaceful.*

Beth shows up & starts cooking. Andreia eventually comes back & we process the pair. The male is in better shape than his father, less dehydrated & few ticks.

The ♀, it turns out, is a WB ♀ with a broken leg.

* I work on data & continue reading Tom Wolfe's Bonfire of the Vanities —

Send
19 Feb

that was released with the fivebucks group after the breeding ♀ died in late 1987, early 1988. But this female had disappeared almost immediately & beforehand Jim had intended to give her a collar because of her light weight. (under 500 g).

Dinner is very quiet with Andreia Beth Rosanna & me only. Rosanna is given wash up duty & continues to be raged by all concerned.

The night before Zoma Zigue Andreia had taken to calling him bischo (animals) & told him that he had to follow their orders.

20 Feb
Mond.

20#89

At breakfast I twist my back out a bit, but want to finally finish 3M — so
Zigzag Rassano + I head for the group. They are at a distance still, with a few hills up + down. Make contact @ 0830.

The habitat is closed + swampy. We do however manage to finish the Playbacks but cannot start scans until most of the group is reasonably easy to see. Since they've been moving, it's hard.

Rassano does PB + I do adlibs but I become increasingly pained from my back & I can do less + less. Zama is incredibly sensitive + careful. He eventually takes all of my heavier gear so that I'm carrying little. By the time we get ~~home~~ ready to return

home. I'm carrying nothing.
I have trouble getting in &
out of the car, and can
barely shower & change
clothes. I pack & rest for
a bit before Beth takes
me to Rio.

Almost impossible to
get up out of bed after
resting.

But Beth, Andreia & I
drive to airport. I can barely
get out of car & stand up
straight! Thank god Rio
airport has carts!

I end up sitting next to
2 Brits, one is Longman
Publishing Co's Brazil rep &
has lived in Rio for 14 yrs.
The other is from Cambridge
& writes English language
texts.

We have a nice short
ride & they help me off
the plane.

20 Feb
mond.

Jody Stallings & wife Kathy
meet me at airport &
buy me some painkillers.

We head to cocktail party at
UFMG for the Congress.

Two things please me (1) how many
people I know (2) how well I
can manage the Portuguese.

Participants in Rio's Congress
on Biodiversity include Coimbra,
Mollison, Jo Gypson, Mittermeier,
Sonia, Keith Brown, Kent
Miller, Herb Rafarel (FWS),
Gustavo Fonseca, Kent
Redford, John Robinson,
Claudio Padua, Ilmar,
Celio Valle;

From the GLT Proj. is
Ceclia; Eduardo; Fernando &
Zigue.

I drink a bit & with the
pills feel quite a bit
better. We return to the
hotel @ 900 PM &
everybody sits down to have

mond
20th

some more beer before dinner
but no one seems to move.

I leave @ 10 PM to start
working on my presentation
(for 10 AM) for the following
day. I decide to
do it in Portugues, if
I can manage it!

21 Feb
Tues.

21 Feb 1989

A bit difficult standing up
after being in bed all night.
But my back rises up as I
go thru the day.

I get some acetate + pens from
Jody to do a Portuguese
outline of my talk on
Pantodungão / as a conservation
strategy for mammals.

I have translated @ $\frac{1}{3}$ of
my talk into Portuguese +
decide to do it extemporaneously.
Anthony by lands helps out with
a word or two.

I actually manage to
complete it in about 30 minutes
+ take a few questions from
the audience.

Later both Celso Valle +
Carmen tell me how well I
did but say that I should
have it all written out
beforehand like Mittermeier.

Turns out that Mittermeier
always has a Brazilian

Tues
21 Feb

correct + type up his paper
before he gives it - I get
lots of other compliments
on my talk.

And right afterword ~~get~~
do an interview w/ 2
journalists (O Globo - Jornal
do Brasil), again totally in
Portuguese + without any help.

Then lunch w/ Kent R. whom
I haven't seen in a long time
and a few PM papers followed
by a golden headed lion
tomorrow mty run by Mallinson
which gets a bit heated - Mty
attended by Mallinson; Delk; Ibsen;
~~Mallinson discusses~~ Coimbra;
Claudio Padua; Alfredo Longguth;
Anthony Rylands + M. Hermeski.

Anthony is made a member of the
group + there is some argument
about whether Ilmar Santos
should be too. Jeremy
suggests Field Advisors + I

21 Feb 89
1 Wed

agree, but Mittermeier argues strongly for him being a full member + the majority agree with him.

We discuss ~~off~~ Alfredo's concerns about the management agreement. And several movements of captive animals that need to be decided upon.

We then start a discussion of Una. Anthony Rylands explains why he wrote a critical commentary on the Dietz's proposal. Most of his comments are technical + trivial: ① The proposal was not written strongly enough to raise money ② They didn't cite him correctly.

He ends up saying that he agrees completely with their objectives and goals. And everyone agrees. We all say that it's time to get it done.

I bring up the point that we agree on the problems

21 Feb 89

We need to buy up land,
get rid of squatters, secure
the reserve.

We can get the money. We
need to find the people.

Everyone agrees. Jo Gipp
suggests ads in the newspapers.

Mtg. breaks and Fernando asks
if I can come out to speak
with the Secy of the Environment
for Belo Horizonte. He oversees
the zoo + wants GLTs.

We talk about several issues
including getting GLTs to the zoo
their 30th anniversary (the zoo)
+ a conference that he wants
to have.

Take the bus back to the hotel.
To dinner with Coimbra,
Mullinson + Gipp at Alpino,
the German restaurant where
we've been before.

I have fish from Rio
São Francisco — suribim —
n) Coimbra.
To bed —

22 II
wed

22 Feb 89 Wed

Up @ 0930 to catch flight to Rio. My back feels a bit better. Arrive in Rio & am met by Beth + Zigue.

The trip takes a horrendous 8 hours because of an overturned truck on BR 107 South of Rio Bonito. The truck was full of groceries (Mayonnaise etc), & was essentially in the middle of the road. The back-up was 3 hours long in heat & pollution + exhaust from trucks. My back got worse & worse.

By the time we arrived at The Reserve I could hardly walk. In fact I did try to walk a bit after the 3rd hour because I was becoming so stiff.

Had lunch & spent most of the rest of the day in bed, reading trying to see if I could get any improvement in my back.

By the time we arrived, + had lunch,
it was too late for Zigue +
Zama to go out. And in fact
Beth had asked Zama to meet
us @ 10³⁰ at the Kid Dollar
gas station near Rio Barito. He
had waited + eventually gave
up.

23 Feb Thurs

23 II
Thurs

Back still bad in AM. Plans
are for Zigue + Zama to do
Duas Lemelas group + come
back to house in time for
meeting at Boi Branco. Jody +
Cecilia arrive in early AM but
without Fernando. We don't
know what has happened to
Fernando.

By 13⁰⁰ no sign of him, so
Zigue + I pick up Jody +
Cecilia, Zama, + the Ecology
crew to go to group meeting.

At mtg every one explains
what has been happening in their
part of the project + then
I and Rossano each give a
little talk about ~~the~~ our
research. Mtg ends @
15³⁰ hrs. My back is no
better.

Return to Casa with Cecilia
+ Jody + Zigue.
Quonico also around.

We drink Scotch; then beer;
wait for Herb Rafael of FWS
to arrive @ ~~20:00~~ 20:00 hrs
but then see when he doesn't
appear (Dionisio + Zama
went to pick him up).

We stay awake waiting — but
all exhausted + he finally
arrives @ 10⁰⁰ PM. I go to
sleep pretty soon thereafter.

He had arrived from Buenos
Aires — plane 3 hrs. late.

Fernando also showed up.
He had missed his buses
because he had brought with
him a fuel tank from a city
near Belo Horizonte. He had not
driven his motorcycle.

He arrived on the asphalt
right after we all passed by +
he ended up walking 3 hrs
from the asphalt to the house.

24th
FH

24 Feb Friday

Explain most of project to
Rafael + send him out with
Zigue + Zama. Eventually to
meet up with Beth @ 1130 hrs.
so he can see the Educ. Program.
Talk w/ Dionisio about

- ① What's happening with IBDF
- ② Translating our progress rpt
and proposal for 1989.
- ③ problem with bat project.
(Rector of Univ. Rural is
bat expert + wants to work
w/ Reserve).

(Later I speak w/ Jody and he's
not as keen on Ladimilla
as previously. Thinks that she is
too spoiled.)

Dionisio will get the progress
report translated and tell Fernando
how much money is needed.

IBDF possibly will be creating
a higher level position than
Reserve Director + fill it

24 Feb Frid.

with politicians. But They don't yet know the outcome.

In the P.M. Rafael comes back @ 3 + Jody is around + we talk @ common issues.

One subject is Jack Frazier, apparently now ~~at~~ with the new University course in Costa Rica about to be divorced from Susanna Salas.

Rafael is a very rigid opinionated guy with little joie de vivre. He likes to complain about people, organizations and situations.

The whole ecology crew returns to the house to do a nest to nest observation. Fernando brings us back some Scotch, Pinga + beer;

For dinner Jody Cecilia + Rafael go out looking for

Kannabateomys. I stay back. We all eat @ 1900 so that everyone can get to sleep.

Jody Rafael + Cecilia return after 8 PM + we stay up + talk a bit.

25 Feb '89 Sat.

Intent is for Zigue, Zama +
Lorano to do a Reintro.
group today + another wild
group tomorrow. They go
with Luis to Jersey which
they complete, but then
go to Pensylvania where the
group flees at the drop
of a hat. They then end
up trying to find Niko's
group which disappeared the
day after release + whose
signal they can't find.

They come back exhausted very
late in the day.

I work on data during day +
have a long talk with
Fernando about being an
administrator. needing to
keep in touch with people;
needing to take shit; listening;
He eventually talks a bit
about the problems with Beth.

My sense is that he is getting on with most people better than Beth suggests. Lots of the complaining is small stuff — but he tends to be more rigid & not to listen enough.

He doesn't seem very happy, but somehow that may be a permanent problem.

Daddy at lunch talks a bit about the problems from his perspective. Fernando started out reading him the riot act about how he should behave. But their relationship has improved.

Cecilia is getting along with most people except Beth isn't interacting with her. Most recently I'm sure that it is because of Cecilia getting on so well with Zigue.

25 Feb Sat.

Turns out that whole project is invited to a party for Andreia's niece's birthday (she's 3 yrs). Beginning mid-afternoon needs a complicated series of steps leading to all of us going into town, (including 2 Educ. people) in 2 Kombis & Beth being very angry at Fernando because of his lack of coordination ability.

I finally tell her that I think she's hurting the project by being angry all the time & hurting herself. And that she needs to find methods to diminish the importance of her anger & frustration for her & everyone else. I tell her that she is affecting project morale negatively. And that she has more important things to do with

her energy than waste
it on being angry.

We put telephone booth
+ I telephone Jan + everyone
else tries to phone
friends / family. (Jan's B'day)

Go to Andreia's where
there is a huge crowd
of children + family,
but most outside
adults seem to be CVT
Project people.

James + kids are there;
Jabes + girl friend;
Paulo Cesar; Luis; Marcello
+ Nelson all show up
but no ecology people
+ only 2 Educ. people.

The party is all held
outside in the courtyard +
Andreia has made Jan
enormous layer cake +
has decorated the whole
inside of the house. The

25 Feb 89
Sat

niece, eats it all up +
there's picture taking, music,
singing, + loads of children.

Seems an important event + lots of
energy expended.

I speak with Jares for a while @
the Beth / Fernando problem.
He suggests that it is difficult
+ that he has been helping
Fernando insofar as he can.

Jody + I go for pizza.
Beth goes to call American
boy friend Scott in Philadelphia.
She comes back crying -
Scott has broken off the relationship
+ won't be visiting Beth in April.
I organize a car + take her
back to the Reserve. (My 1st
driving). She is — needles
to say — upset at the loss
of her latest fantasy lover.
I talk with her, she admits to
being a virgin, Catholic, + in love w/
Andy Baker for 2 years.
She's still clearly attached to Zigue as well.

Sunday 26 Feb 89

Work at home most of day.
Zigue, Zama + Rossana
go out together.

Zama comes back + cooks
dinner, but everyone leaves
for Silva Jardim
except Fernando, Beth +
me who have dinner
together + discuss problems —
Neither speaks to each
other, but only to me.

Monday 27 Feb 89

Jody + Cecilia go out to see if John Robinson made it. He did after sleeping in a seedy motel overnight + catching a \$30.00 cab to the Reserve. We have some coffee + The four of us go out in front of the house to go thru Jody's bamboo patch. J + C have found some patches w/ flowers. Not clear what kind of Bb, or if the flowering is seasonal.

Jody points out holes into Bb near base where the Kannabateomys burrow, stalks they have cut off pathways they take).

We see one animal which Jody + Cecilia try to knock down out of the Bb — unsuccessfully. I have the feeling that they are getting a bit too frustrated w/ not

Cecilia
stops smoking
2 IV 89

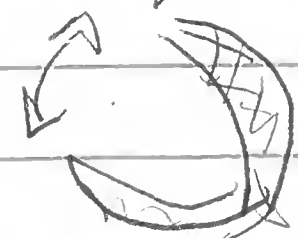
27 Feb 89
Mord

catching only animals.

Before getting out to see Bb
rats:

John + Jody arrive w/ the
mayor of Silva Jardim + a
journalist (who speaks better
English than my Portuguese, but
who is out of practice). The
mayor plans to help improve the
road + Jody + I give interviews.
Mayor with a crutch + goney leg,
driver, journalist +
I guess, hanger-on.

In the PM we go out looking
for Kannabakomys with
Jamilson helping out.
Sylvan is a former trapper (just
turned 40) + is making
traps for Jody + Cecilia. One
trap is cylindrical + could be
used to plug burrows. The
other is shaped like



and ~~it~~
allows the

Dinner is with whole crew since
it's a nest → nest
OCO → OCO night
with the ecology crew.

Dishwashing is extremely complicated
with so many people eating +
so many washing up.

27#89
mond

Rats to ~~form~~^{make} a nest —
Jody thinks that nests are
limiting factors in the distribution
of *Kannabateomys*.

The evening walk is lovely —
across the Vietnam bridge
in front of the house.

Jody sees a capybara the
next day in the swamp.

The BB is very open +
clear between mounds.

The flowering doesn't seem
to be serious yet —
of course, we don't know if the
BB is native or introduced.

Earlier Jones had asked to
speak to me alone — with
Jody helping out. Basically,
he said that Beth is one of
the project's biggest problems.
Won't cooperate with Fernando;
very hard + frightens people;
with her self-righteousness.

28 II 89 Tues.

28 II

Begine; Elizama + John Robinson +
I are out together +
followed a reintroduced group
to do PB. We pass an
agouti in road who first runs away
+ then towards us.

The heretli group stays near
their nb + comedor platform
during our whole observation
period. The group includes
a new (1988) female from
CPRT (unclear whether WB or CB),
an adult ♂ + 2 juvs.

They don't feel like a
very integrated group. The
♀ is a bit spooky + the
♂♂ adapted. The juveniles
are identical ages but
look different, w/ the female
younger.

In response to most
intense PB, the animals
don't move much but do
vocalize.

Zigue suggests That their response was better than that of the other 2 Reintro groups that he + Zoma did — Jersey + Seattle.

John R. gets some terrific photos of animals really close to him.

After the PB series, I played some clucks to them + initiated a series of LC + clucking. But still little movement towards the speaker.

Clucking is a contagious voc. Almost always provokes at least 2 animals, sometimes more to voc. together. They don't need to be close.

Towards the end of the clucking series, a juv. rasped loudly. We hadn't

28 II 89
Tues.

heard any rasping until that point.

We returned to the Reserve to have the CRT meeting.

I met w/ Fernando beforehand + made a few suggestions about how to run the meeting — let everyone talk about what they have done + what they will be doing next week. Congratulate people on good work; exciting news. I go thru Fernando's list of agenda items.

The mtg included me, Fernando, Beth, Jody, Cecilia, Zigue, Otavio, Andreia.

Beth got angry at Fernando once + I reined her in. Otherwise Otavio, Andreia, Zigue + Joes all made good suggestions that were accepted by Fernando.

Fernando talked a little too long, but otherwise the mtg felt OK.

Otauro talked for the 1st time & really contributed.

Then dinner with whole crew & John Robinson & Elizen from the 1st Reintrod. who is now at University & according to him doing very well.

I encouraged Elizen to apply for an internship at The Reserve & consider going on in Biology. Told him about Dietz & UMW. Md.

Beth has been preparing for a course she is supposed to teach on Th/Fri.

Supposed to include 9+ local teachers & to concentrate on environmental / conservation education. She's been putting together aquariums & terrariums to explain ecological concepts & food web concepts.

28 II
Thurs

As part ^{of the work,} she found an enormous red-brown furry caterpillar that looks like an infant GCT. She touched it & it was toxic to her skin.

She also had a tiny coral snake beheaded.

1 Mar 89 Wed.

Left late to find Riverbanks so I could summarize data a bit. They are apparently in the banana plantation on the other side of the hill from their box. We go up the hill thru barbed wire about 4-5 times; thru spring palm; really thick young 2nd growth.

Reach top of hill + keep following signal down the hill until we're at the pond just below Riverbanks box.

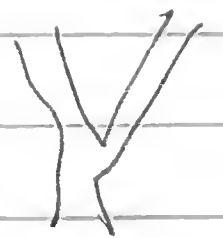
The animals had apparently travelled all the way over the hill from the bananas + back again.

The other side of the hill is adjacent to forest where Pansy is + when Pe climbed the top of their hill, the two groups apparently vocalized at each other.

Otherwise, Riverbanks doesn't seem a very stable group. The ♀♀ are the youngest ones from the Riverbanks group probably almost 2 years old.

The ♂♂ are from Skansen and seem very young also. They are, however, travelling as a group!

It took us ~ 1 hr to find the group.

The group was in the  of a tree, with the ♀ R7 playing with them all.

The group responds to the LC w/ movements towards the speaker + some vocal responses. The response fades w/in 10 minutes.

long play bouts between

Mar 1 '89
Wed.

R7 + other animals, including R6.

About noon; the owner of the fazenda ascends to where we are w/ 2 men; machetes; + a dog.

The woman taking care of the house below reported that 4 men (!) with arms had gone up the hill. Juma as usual thought this was great fun — Devra being ~~the~~ mistaken for a man.

Continued playing by R7, R6 + the youngest Skansen ♂.

T4 The apparently elder ♂ seems reluctant to join in — perhaps to conserve energy. However, he later shows that he can move very quickly + reasonably efficiently.

T4 also exhibits coprophagy.

Quite a bit of the play has been in the Bb.

I did some recording of the group, mainly of ticks + chirps during play.

We finish w/ Riverbanks @ 1450 hours as it begins to rain. We send Rossano back to get the car + wait by the owner's house until picked up.

Return to house.

Beth had gone to pick up Andy Baker in Rio.

They were back but Andy was already in the forest w/ Otavio, having trapped some monkey.

Andy organizes the processing of 3 animals from Grupo do Fente.

Wednesday
1 Mar

Andy trains Otavio with Zigue helping out. Otavio's biggest problem is using calipers + a ruler, reading numbers.

Everyone eats early before we finish.

After dinner Andy + I talk for a long time about Reserve series + then his family problems. His mother is cracking up + his brother had a relapse while they were in NY that put him in hospital w/ pneumocystis. Then he came out but fainted.

And Andy's mother continues to feel guilt about his father's death + his son's "gayness" + subsequent AIDS diagnosis.

Thursday
Mar 2nd.

2 Mar Thurs.

We head for Penscynor for PB studies. Arrive at site @

0800 but don't make contact with group until 10:20.

The group has moved uphill several hundred meters. They are spooky and avoid us; spending a lot of time low and/or on the ground.

When we played the long call the animals stopped - LC'd in response, but didn't change direction. They moved uphill.

I tried to record their responses but the noise from trucks on the road was incredible + then later thunder.

We had a strong response to using LCC; the vocalized + moved in the direction of the speaker. They also only used the LC in response.

The last two PB included Andreia + Paulo Cesar; I was having

2nd Mar
Thurs

a terrible time getting the equipment to work + lost several scans. I also had difficulty trying to record + playback at the same time. I became very frustrated.

At one point I was using the wrong recorder to record + couldn't get the Record button to work. Turned out that I was using tapes that had been protected + the Record button refused to tape over them.

Major problem was with the speakers connecting cables which had to be fiddled with in order to get an amplification. We were moving also thru thick scrubby habitat near the top of the morro. And no one had mentioned that the cables weren't always working!

We finished @ 12:30 + went out to start Frankfurt. Frankfurt included 1 young females from River banks

and 2 young males from Frankfurt.

We reach the box @ 1335. The animals are resting in a tree @ 30 m from their box. They're in a tree over a moving stream (difficult to ^{sound} record). They eventually move back to their box + go inside + in + out. Then the 2 playbacks: ---

We get 2 PB done, but on the last, the control, I almost don't let Zigue do it because it is raining softly + it isn't clear that the rain won't be too ~~noisy~~ nervous-making for the monkeys, + too loud for them to hear + then respond.

We finish the 2nd PB + get our four scans in (all "box") + return to house.

Before dinner Cecilia + I go walking through the BB on the other side of Jane's house + road to try to find a Bb rat.

3rd March 89 Friday

In the AM we went out to finish the PB on the Frankfurt group.

Arrive @ 0742, but the animals are some distance from the box (\sim 400 m). (on the way, Zigue sees a juvenile Coendou sitting in a tree)

Although the equipment still causing problems, we finish the group by @ 0930. (LC + LCC). The group responded to both with movement but some delay in the vocalizations.

Beth had started her course + I decided that we should stop quickly at Boi Branco to see if she needed any thing + how things were going.

She had enormous amounts of help but only had 30-35 people instead of the 97 she had expected.

She was pleased that I had checked with her and suggested that she was giving out awards at the dawn between 3-4 pm +

that the people would be
interested in meeting the scientists.

At the gate to the Reserve + later
a bit inside the Reserve ~~they~~
there are 4 young men (Zigue knows
one) from Campora that have
collected some animals.

They have at the gate a
didelphid opossum w/ 10 young
in her ~~fat~~ pouch, a tamandua
(grey); macaca preta (Cebus).

Two of the boys have a
young sloth + are walking down
the road.

They belong to a Conservation
Club in Campora + have spoken
with Dionisio who promised
to meet them to accept the
animals.

Later we find out that they
arrived @ 0800 + had been
waiting for 2 1/2 hrs.

3rd March
Fri

We tell them to wait, but much
later discover that the guard
Celso let them in the gate +
brought them to the house since
Dionisio never appeared.

I ~~guess~~ am not pleased
with Dionisio not being responsive +
again letting the guards leave
us with responsibility for
collected/confiscated animals.

We leave the boys at the gate
+ return home. Tell Fernando +
Andy about group at gate.

We go out in front of house
with Andy to work w/ fugitive
group; includes ♀ w/ broken
forearm + 2 ♂♂? No young +
only formed @ 2 mos ago.

We find them in deep bregia
(bregia) —

Takes @ 1/2 hr to find
the group + we walk thru

areas I haven't been before
in front of house.

Areas where they've had serious
fires & needed to have firebreaks.
I wonder about regeneration
of forest and the direction of
the hillsides. It seems more
than just whether they've
had fires on a hillside.

We find the Fugitiva group
in very swampy area.
Most of the time we slog
through very deep mud
while doing the PBs. At
one point I am in mud
up above my knees & have
to get rid of my equipment.

We end up along a
hillside before a PB &
then get dragged back into
mud after the PB.
We finished @ 1530 &
returned back to house
(@ 30' walk)

* ♀ is an old animal with broken arm
with 2 young ♂♂

3 III 89
PM

Returned to discover that
Dionisio had not arrived &
Celso the guard had
"delivered" the Cebus to the
project headquarters.

Meanwhile, Otavio was observing
one GLT group in the banana
patch in front of the house
@ 25 m from the Cebus.

I talk w/ Fernando & Andy &
we decide that the animal
should be moved to Boi Branco
to Celso's house for care &
not left in the Reserve.

Andy & I go out to
see if we can meet Beth's
course at the dam. We're
in luck. We're introduced
to group & Andy mainly
answers GLT questions.

Worked very well & I think
that Beth was pleased.

~~I had everyone left
for dinner at 6:30~~

It's on "oco" night so
the place is full for
dinner.

4 III 89 Sat.

We decide to do "Z" group.
Both Zegne + I are keen
to see "Z". We both agree
once we see her, that she
is the most beautiful
OBT in the reserve.

"Z" lives on a hillside
with the 2 Rita/Ron ♂
offspring + 2 infants.
The hill is on the way
to the dam + is isolated
from other forest patches.
They don't have regular
encounters, according to
Andrzej + staff.

Zegne thinks that it might
take 30' to find the group.
They are at the top of the
hill — yet another
horro to climb. The
♂♂ are a little spooky but
Z approaches within a
few feet of us +

Then goes about her business.

Her infants were born about Dec 88 + look great.

They are locomoting independently, except after one of the PB, one of the young climbs on one of the ♂'s back.

- Zigue starts having trouble with equipment. We did 2 PB of the LC, but don't think that the animals heard it. Decide to go onto

other calls + do the LC at the end if it becomes clear that the problem is the equipment.

Some interesting aspects to "Z" behavior.

① she never had infant experience before

giving birth (the ♂ did) but brought off her young perfectly well.

② During observations, "Z" begins playing with the young + RT1, the ♂ that Zigue thinks is not the breeding ♂ (Zigue saw some copulations in 1988)

Also RT2, the possible breeding ♂ came into group after RT1 + "Z" got together.

Unusual for a ~~♀~~ breeding ♀ to ever play with other animals. And in this case the ♂ RT2 remained @ 15 m from the group.

At one point group go into a *Cecropia* to feed on fruits. There are clumps of bean-like

fruits. The animals all
ascend up into the exposed
Cecropia very carefully,
I think, because there is
such limited cover.

We had a good response
to the LCE, but had to
replay the SC since
speaker didn't work.

We redid the LC right before
it started ~~was~~ raining +
only had limited response.
Really loud thundering before
the rain which may have
interfered with the animals
responsiveness. They end up
in a dense tree towards the
end of the scans not long
after doing a few LCs +
approaching the speaker.

Later Zigue mentions that the

4 III 89

onset of rain might really
interfere.

We have the heaviest downpour
yet + all get totally soaking
wet while racing / sliding
down "Z"'s hillside.

After clean-up, I discuss
possible future release
sites with Beth.

I take everyone out to
dinner at O'Gaucha

(Fernando, Zigue, Zana, Beth,
Andreia, Rossano, Andy,
Cecilia + me).

More really heavy rain on the
way home + frightening
traffic where you
couldn't see.

I was exhausted.

5 March 89 Sunday

Out @ 0730 to re-do the Cacador group. Trail entrance is near the guard house.

We walk for ~ 40'. Pass the Poco Pequeno group.

Finally start to hear a strong signal + then start to hear dogs barking + voices.

Zigue + Zama hold frozen.

It's Sunday + we've probably got some hunters.

We listen for a few moments + decide not to pursue obs.

with Cacador (an appropriate name!) There are at least 2 dogs + probably several men + we ~~as~~ feel that the monkeys will be stressed anyway. Also, Ely from Ecology group overheard some hunters talking about the fact that ^{GLT} project people

don't carry arms + Therefore
are easy to deal with.

Everyone at the Reserve is
- a bit nervous about what
Ely's heard. And Dionisio
hasn't done anything recently
to reduce impact of hunters.

We return to the house
(another 40') + decide to
work with the Grupo de
Frente — in front of the
house.

Seems that they might be
involved ~~with~~ in an encounter
with the newly formed
Viajantes group since we hear
long calling + their radio
signals aren't too distant.

We cross over to the hillside
across from the house +
start climbing.

5th 89
find.

Takes us a very long time to
find them + then they keep
moving uphill + act very
spooked by us. They had
recently been caught +
marked, but they also weren't
very habituated. The ♀ was
quiet but the 2 ♂♂ whined +
clucked at us periodically.

The habitat is fairly awful
in places — really low
thick scrubby 2nd growth.

But the animals also use a long
line of Bb to move up + down
the hillside. And the Bb
is much more open. We see
lots of sign of Bb rats in
this area — freshly eaten
stalks + openings for
burrows.

The group gets to the
hilltop + moves to a resting

tree in a very idyllic -
peeling little valley with
some tall trees. It feels
like a mature patch of
forest but it's tiny compared
to the scrub + Bb on most
of the hillside.

We do our 1st 4 scans
seated - really thankful for
an opportunity to sit, but
our 1st call is an LCC +
The animals immediately move
to and beyond the speaker
back into miserable habitat.
They are very quiet + simply
descend the hill. We lose
them a few times because they
are so quiet.

About 25' after PB they
produce a few single LC.

Basically they heard the
LCC deep w/in their territory
+ the response was to move
to an area of encounters.

Ind
5 Mar 89

They got some responses from
another group down the hill
did some more LC + then
turned around + started back up
the hill. They were wary of
us + we lost them a
few times.

We missed a PB because they
weren't visible + we weren't
sure of the distance. But
did 1 an LC while they
were headed uphill into the
Bb.

They turned around +
started moving past us
nervously. Did some calling
but eventually went back
uphill again, as it started
thundering + threatening
rain again.

We decided not to
proceed because of onset of
rain. Zigue thought + I
agreed that the animals

would be less responsive
with the onset of rain.
when they would be looking
for shelter.

Return to house —
clean-up
organize pay
pack + leave.

Drive into Rio w/ Fernando +
Andy, talking @
Fernando's problems w/
project + especially w/
Beth:

We get into another
horrendous traffic jam
on the way to Rio. Takes
us about 3 1/4 hrs.;
includes some miserable
rain + the ~~fast~~ crazy
driving resulting in at least
3 accidents that further
slow down traffic.

People drive on opposite

side of road; on the
side for parked cars.

At times there are 4
lanes of traffic on a one-lane
road.

lots of it is due to weekenders
returning from Buzios + Cabo Frio.

At airport:

① talk briefly with a Philippine
Amer. restaurant owner from
Simsbury CN

② Brazilian woman who
organizes opera.

Finish this at
touchdown at
Kennedy

(PTO)

Errant Thoughts

- ① Equipment: Drove me crazy when equipment seemed not ^{to} be functioning. all connections seem to suffer in the heat/humidity/rough wear.
- ② Zigue + Elzama: Wonderful to work with them both. Zigue thinks, considers, rarely comes to a conclusion. Zama decides immediately - occasionally wrong. The philosopher + the do-er. Zama whacks a mean machete + carries lots more equipment than Zigue. Receiver + Speakers. They ~~were~~ ^{were} ~~used to~~ both v. sensitive to me, especially when my back was out. They helped me (Zama more than Zigue) across bad bits of ~~rough~~ trail (or no trail!!)

Zigue + Zama learned @ the forest since they became hunters from very early on. Zigue used to hunt gamba for his mother to cook. He's eaten paca + BB rats; agouti; etc.

The fun part was to watch them rib each other, especially Zama with Zigue. Zama constantly saying that Zigue doesn't work as hard.

Zama is a real punster and loves a good joke. During slow periods, he often got Zigue + himself into hysterics.

Zama is very good at imitating people, a natural mimic, especially their walks. I saw him go thru the same routine about 4-5 times during my stay. He seems to like his jokes best of all.

Zama more than Zigue seems to love to do extra, especially if something different. Helps Andy return a processed monkey to the forest, organizes

to help Cecilia catch rats, cooks dinner two Saturdays in a row, even when he isn't staying, to eat.

- And he's probably the best cook around except for Idemar or Andreia.

(3) Cecilia is a superb addition to the project; a vivacious hard-working outgoing bright woman. She stops smoking during my visit & we all cheer her on.

She seems to drink more than I would expect.

There had been very little booze around the house. I bought some beer, Scotch & Cachaca to add to the stores. Nearly all the beer was gone by my departure.

Very few people drink since most of them are now pretty religious (Jares & family; Octavio & Tania).

A big exception is Agnival who brings some beautifully

tasting pizza into the headgears

I make a comment once about sharing a beer w/ Jones + there is a shocked silence.

④ Maturity: It seems like I've seen a lot of boys become men in this project, including Elipuma, Ezequiel, Elisen + Otavio.

Otavio got married to 16 yr old Tania + suddenly matured. He speaks aloud, seems a good thoughtful worker, cares about the project — and sits + reads The Bible.

⑤ Casa Murceo is completed + functioning w/ a 2-burner stove and a 2nd hand \$17.00 fridge (run on gas).

The Headquarters is still functioning well. The quietest times were late Saturday + Sunday when very few people are at headquarters.

⑥ Fernando is a very sincere hardworking guy who is bad at decision-making + at setting priorities. He's a vegetarian + hates going to the butcher to buy meat, but won't delegate. So everyone complains @ too little meat.

He and I have 2-3 heart-to-heart chats + I feel that he calms down a bit + gets things into perspective.

I must keep telling him that he cannot be perfect; he can make mistakes; he needs to rely on the people that work for him; ignore Beth.

I'm afraid that we barely kept

him with the project. He was at the end of his rope when I arrived, but I think that my talking with people + mobilizing them helped strengthen his relationship with Dady Cecilia + Jara — which is pretty important.

But he constantly criticizes himself

⑦ Insects weren't bad this time except for one bad day (night) of mosquitos.

My boots died within my 1st week + I was able to wear some leftovers from John Robinson which managed OK.

⑧ My back problem frustrated me terribly but once I got back out, it seemed to clear up except for some niggling darts of discomfort.

⑨ The last 2 days were somewhat frustrating.

Especially Sunday when we walked our butts off and only finished $\frac{1}{2}$ a group

⑩ I had a long talk with Andy about writing a paper on GLT encounters which are qualitatively different from any other encounters described for territorial social monogamous mammals.

I proposed a paper entitled:
GLT Boundary Encounters:
a Junior High School Prom?

Essential parts are that

- ① adults aren't always involved
- ② They can last 4-6 hours; all day
- ③ Juveniles + infants interact a lot — including play.

Finished

6 March

10:08 AM

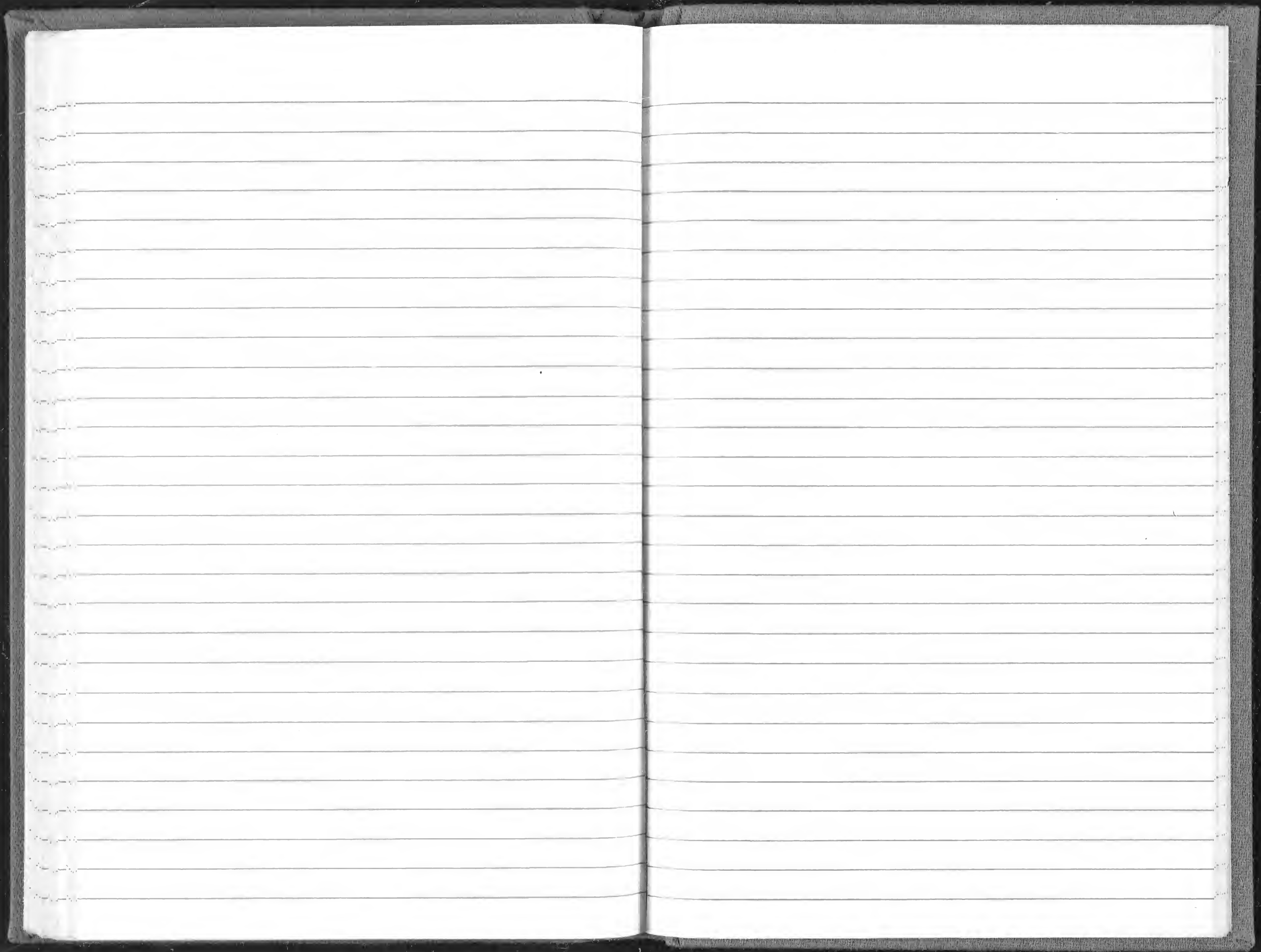
sitting in JFK in
snow waiting for
my flight to
leave.

⑪ I travelled over more of the
Pda Reserve + neighboring areas
than ever before — saw more
swamp; hillside; scrub; grass;
than ever before.

⑫ The voc study went
really well. And I was
very pleased with how clear
the results were and
how well I'd done with the
organization of the study.
John Robinson was impressed.

I can probably get
something ready for publ.
by year end.

⑬ The Honen da Mata — Jim's
man of the forest — tripped me
up a lot — My back
was my biggest problem.
But in my last week out in
the forest, I could feel the
difference in my movement
abilities. I "let lots
go"



abot.

gonom
sus

fin

zel

To do:

- Jim:
- ① Have Fernando do big shopping
 - ② Have Fernando delegate a bit more - shopping, cars,
 - ③ Buy more meat.
 - ④ Sit down w/ Beth / Fernando together.
 - ⑤ Can Jody use 2 door traps? Bob said yes!
 - ⑥ Suzanne Kolb

Lou Ann

- ① Education + GLT \$ from WWF all together + to go thru ST. 00 grant \$ > than original request!

② Beth??

Ask Sue Haig to change Andy's talk

~~Mark 5-26-81~~
~~Jim~~

Kolb proposal + permission

Jody

- ① darting ^{blowgun} 500-600g Kannabot.
- ② check his stipend for 1989
- ③ Tell Miles that *Euryzomys* ^{*spinosus*} probably before Kannabotomys.
- ④ check Library help current awareness bulletin reprints [melva].
- ⑤ Thorington.

Everything arrived.

Talk w/ everyone @ Edwards as intern Cecilia to do some Educ. Replacing Beth.

Ask needs for Brazil
good compass
2 pr army surplus pants

boots
socks for boots
musk oil repellent

Write letter to Dionisio re: hunters on Sunday + animals coming in cc Fernando Dietz x2 Beck

